

# SEQUENCE LISTING

<110> Hoek, Robert M.  
Sedgwick, Jonathan D.

<120> Novel Uses of Mammalian OX2 Protein and Related Reagents

<130> DX0936K

<140>

<141>

<160> 3

<170> PatentIn Ver. 2.0

<210> 1

<211> 274

<212> PRT

<213> primate

<400> 1

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Val	Met	Ala	Ala	Val	Val	Leu	Cys	Thr	Ala	Gln	Val	Gln	Val	Val	Thr
			20					25					30		
Gln	Asp	Glu	Arg	Glu	Gln	Leu	Tyr	Thr	Thr	Ala	Ser	Leu	Lys	Cys	Ser
	35						40					45			
Leu	Gln	Asn	Ala	Gln	Glu	Ala	Leu	Ile	Val	Thr	Trp	Gln	Lys	Lys	Lys
	50					55					60				
Ala	Val	Ser	Pro	Glu	Asn	Met	Val	Thr	Phe	Ser	Glu	Asn	His	Gly	Val
	65				70				75					80	
Val	Ile	Gln	Pro	Ala	Tyr	Lys	Asp	Lys	Ile	Asn	Ile	Thr	Gln	Leu	Gly
			85					90						95	
Leu	Gln	Asn	Ser	Thr	Ile	Thr	Phe	Trp	Asn	Ile	Thr	Leu	Glu	Asp	Glu
		100						105					110		
Gly	Cys	Tyr	Met	Cys	Leu	Phe	Asn	Thr	Phe	Gly	Phe	Gly	Lys	Ile	Ser
	115						120					125			
Gly	Thr	Ala	Cys	Leu	Thr	Val	Tyr	Val	Gln	Pro	Ile	Val	Ser	Leu	His
	130					135					140				
Tyr	Lys	Phe	Ser	Glu	Asp	His	Leu	Asn	Ile	Thr	Cys	Ser	Ala	Thr	Ala
	145				150					155				160	
Arg	Pro	Ala	Pro	Met	Val	Phe	Trp	Lys	Val	Pro	Arg	Ser	Gly	Ile	Glu
			165					170						175	
Asn	Ser	Thr	Val	Thr	Leu	Ser	His	Pro	Asn	Gly	Thr	Thr	Ser	Val	Thr

180	185	190
Ser Ile Leu His Ile Lys Asp Pro Lys Asn Gln Val Gly Lys Glu Val		
195	200	205
Ile Cys Gln Val Leu His Leu Gly Thr Val Thr Asp Phe Lys Gln Thr		
210	215	220
Val Asn Lys Gly Tyr Trp Phe Ser Val Pro Leu Leu Leu Ser Ile Val		
225	230	235
Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu Leu Tyr Trp Lys		
245	250	255
Arg His Arg Asn Gln Asp Arg Gly Glu Leu Ser Gln Gly Val Gln Lys		
260	265	270

Met Thr

<210> 2  
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 <213> rodent

<400> 2

Met Ala Ser Leu Val Phe Arg Arg Pro Phe Cys His Leu Ser Thr Tyr		
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Ser Leu Ile Trp Gly Met Ala Ala Val Ala Leu Ser Thr Ala Gln Val		
20	25	30
Glu Val Val Thr Gln Asp Glu Arg Lys Ala Leu His Thr Thr Ala Ser		
35	40	45
Leu Arg Cys Ser Leu Lys Thr Ser Gln Glu Pro Leu Ile Val Thr Trp		
50	55	60
Gln Lys Lys Lys Ala Val Ser Pro Glu Asn Met Val Thr Tyr Ser Lys		
65	70	75
Thr His Gly Val Val Ile Gln Pro Ala Tyr Lys Asp Arg Ile Asn Val		
85	90	95
Thr Glu Leu Gly Leu Trp Asn Ser Ser Ile Thr Phe Trp Asn Thr Thr		
100	105	110
Leu Glu Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Thr Phe Gly Ser		
115	120	125
Gln Lys Val Ser Gly Thr Ala Cys Leu Thr Leu Tyr Val Gln Pro Ile		
130	135	140
Val His Leu His Tyr Asn Tyr Phe Glu Asp His Leu Asn Ile Thr Cys		
145	150	155
		160

Ser Ala Thr Ala Arg Pro Ala Pro Ala Ile Ser Trp Lys Gly Thr Gly  
165 170 175

Thr Gly Ile Glu Asn Ser Thr Glu Ser His Phe His Ser Asn Gly Thr  
180 185 190

Thr Ser Val Thr Ser Ile Leu Arg Val Lys Asp Pro Lys Thr Gln Val  
195 200 205

Gly Lys Glu Val Ile Cys Gln Val Leu Tyr Leu Gly Asn Val Ile Asp  
210 215 220

Tyr Lys Gln Ser Leu Asp Lys Gly Phe Trp Phe Ser Val Pro Leu Leu  
225 230 235 240

Leu Ser Ile Val Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu  
245 250 255

Leu Tyr Trp Lys Arg His Arg Asn Gln Glu Arg Gly Glu Ser Ser Gln  
260 265 270

Gly Met Gln Arg Met Lys  
275

<210> 3

<211> 278

<212> PRT

<213> rodent

<400> 3

Met Gly Ser Pro Val Phe Arg Arg Pro Phe Cys His Leu Ser Thr Tyr  
1 5 10 15

Ser Leu Leu Trp Ala Ile Ala Ala Val Ala Leu Ser Thr Ala Gln Val  
20 25 30

Glu Val Val Thr Gln Asp Glu Arg Lys Leu Leu His Thr Thr Ala Ser  
35 40 45

Leu Arg Cys Ser Leu Lys Thr Thr Gln Glu Pro Leu Ile Val Thr Trp  
50 55 60

Gln Lys Lys Lys Ala Val Gly Pro Glu Asn Met Val Thr Tyr Ser Lys  
65 70 75 80

Ala His Gly Val Val Ile Gln Pro Thr Tyr Lys Asp Arg Ile Asn Ile  
85 90 95

Thr Glu Leu Gly Leu Leu Asn Thr Ser Ile Thr Phe Trp Asn Thr Thr  
100 105 110

Leu Asp Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Met Phe Gly Ser  
115 120 125

Gly Lys Val Ser Gly Thr Ala Cys Leu Thr Leu Tyr Val Gln Pro Ile  
130 135 140

Val His Leu His Tyr Asn Tyr Phe Glu Asp His Leu Asn Ile Thr Cys  
145 150 155 160

Ser Ala Thr Ala Arg Pro Ala Pro Ala Ile Ser Trp Lys Gly Thr Gly  
165 170 175

Ser Gly Ile Glu Asn Ser Thr Glu Ser His Ser His Ser Asn Gly Thr  
180 185 190

Thr Ser Val Thr Ser Ile Leu Arg Val Lys Asp Pro Lys Thr Gln Val  
195 200 205

Gly Lys Glu Val Ile Cys Gln Val Leu Tyr Leu Gly Asn Val Ile Asp  
210 215 220

Tyr Lys Gln Ser Leu Asp Lys Gly Phe Trp Phe Ser Val Pro Leu Leu  
225 230 235 240

Leu Ser Ile Val Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu  
245 250 255

Leu Tyr Trp Lys Arg His Arg Asn Gln Glu Arg Gly Glu Ser Ser Gln  
260 265 270

Gly Met Gln Arg Met Lys  
275